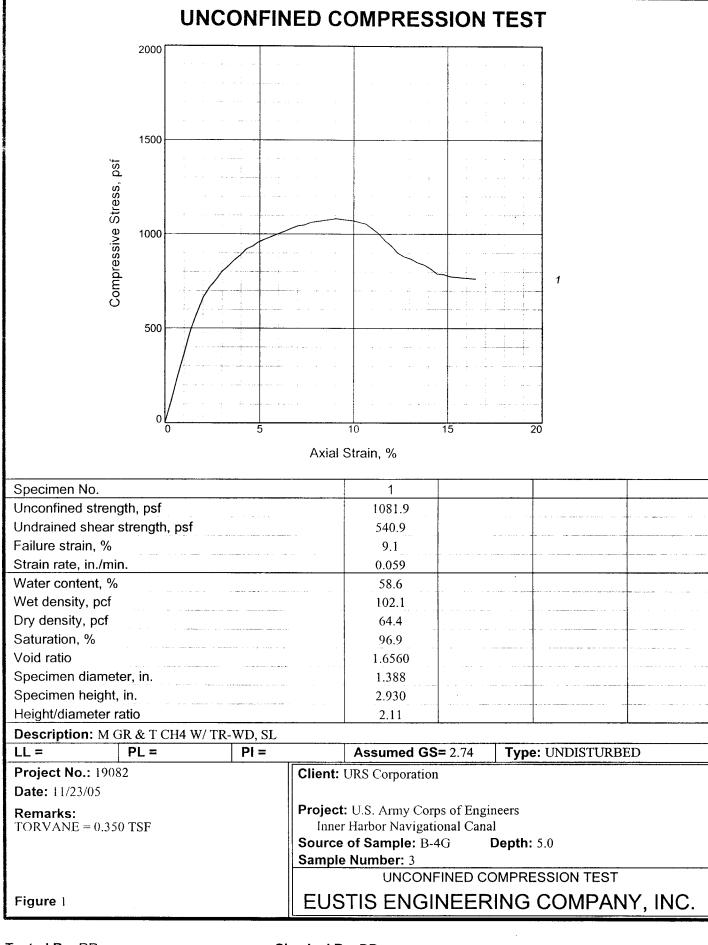


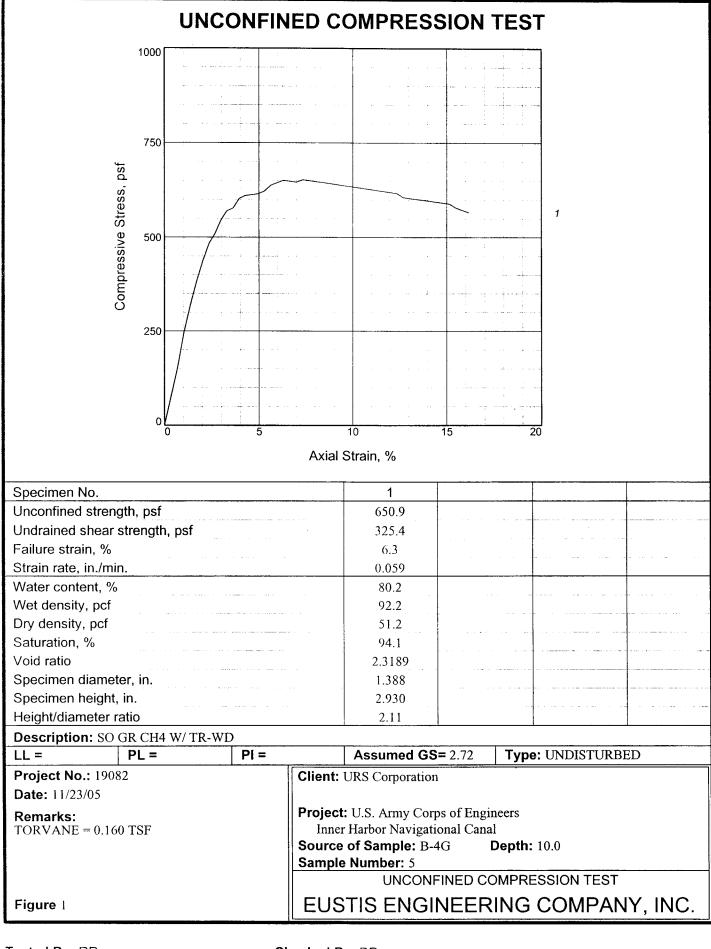
Tested By: RR

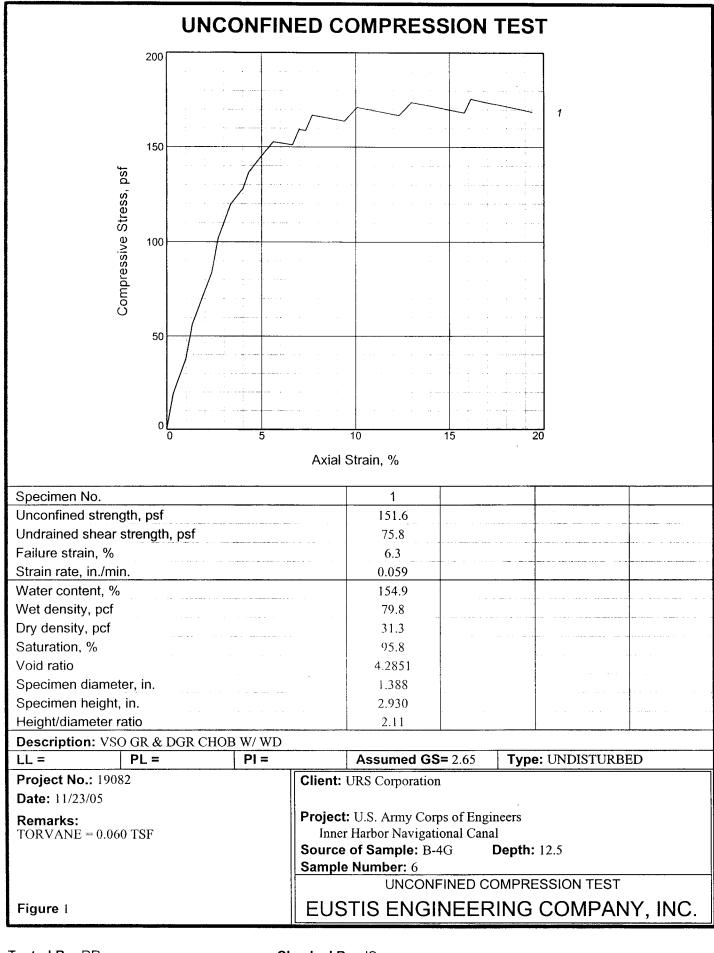
Checked By: DP



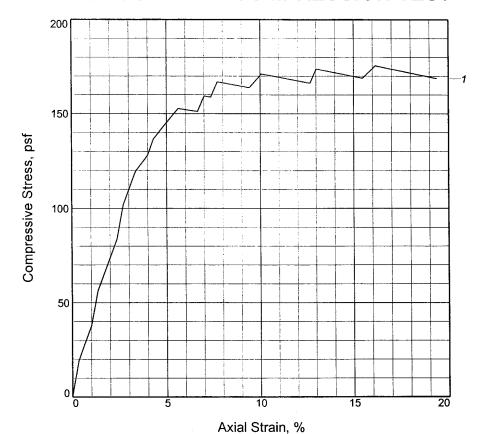
UNCONFINED COMPRESSION TEST 1000 750 Compressive Stress, psf 500 250 Axial Strain, % Specimen No. 1 Unconfined strength, psf 816.5 Undrained shear strength, psf 408.2 Failure strain, % 4.7 Strain rate, in./min. 0.058 Water content, % 77.5 93.3 Wet density, pcf 52.5 Dry density, pcf Saturation, % 94.5 Void ratio 2.2322 Specimen diameter, in. 1.388 Specimen height, in. 2.930 Height/diameter ratio 2.11 Description: SO GR & DGR CH4 W/O, WD **Assumed GS=** 2.72 Type: UNDISTURBED LL = PL = PI = Project No.: 19082 **Client:** URS Corporation **Date:** 11/23/05 Project: U.S. Army Corps of Engineers Remarks: Inner Harbor Navigational Canal TORVANE = 0.250 TSFSource of Sample: B-4G **Depth:** 7.5 Sample Number: 4 **UNCONFINED COMPRESSION TEST** EUSTIS ENGINEERING COMPANY, INC. Figure 1

 Tested By: RR
 Checked By: DP





UNCONFINED COMPRESSION TEST



Specimen No.	1	
Unconfined strength, psf	152.7	
Undrained shear strength, psf	76.3	
Failure strain, %	5.6	
Strain rate, in./min.	0.000	
Water content, %	62.7	
Wet density, pcf	99.8	
Dry density, pcf	61.4	
Saturation, %	96.0	
Void ratio	1.7881	
Specimen diameter, in.	1.388	
Specimen height, in.	2.930	
Height/diameter ratio	2.11	

Description: VSO GR CH4 W/LNS ML

LL = PL = PI = Assumed GS = 2.74 Type: UNDISTURBED

Project No.: 19082 **Date:** 11-23-05

Date. 11-25-05

Remarks: TORVANE = 0.100 TSF Client: URS Corporation

Project: U.S. Army Corps of Engineers Inner Harbor Navigational Canal

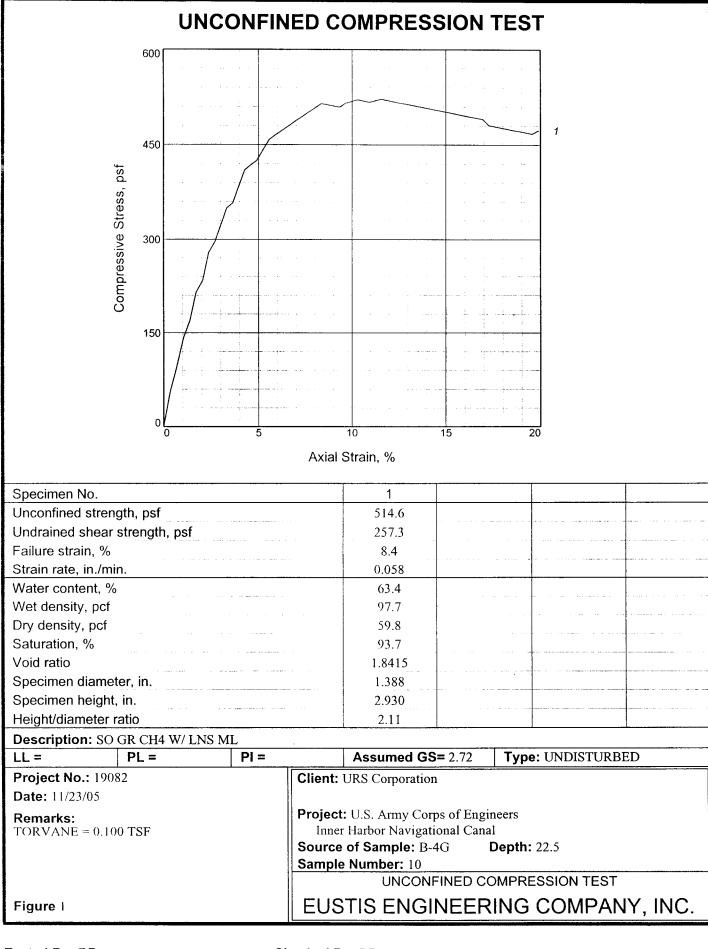
Source of Sample: B-4G Depth: 17.5

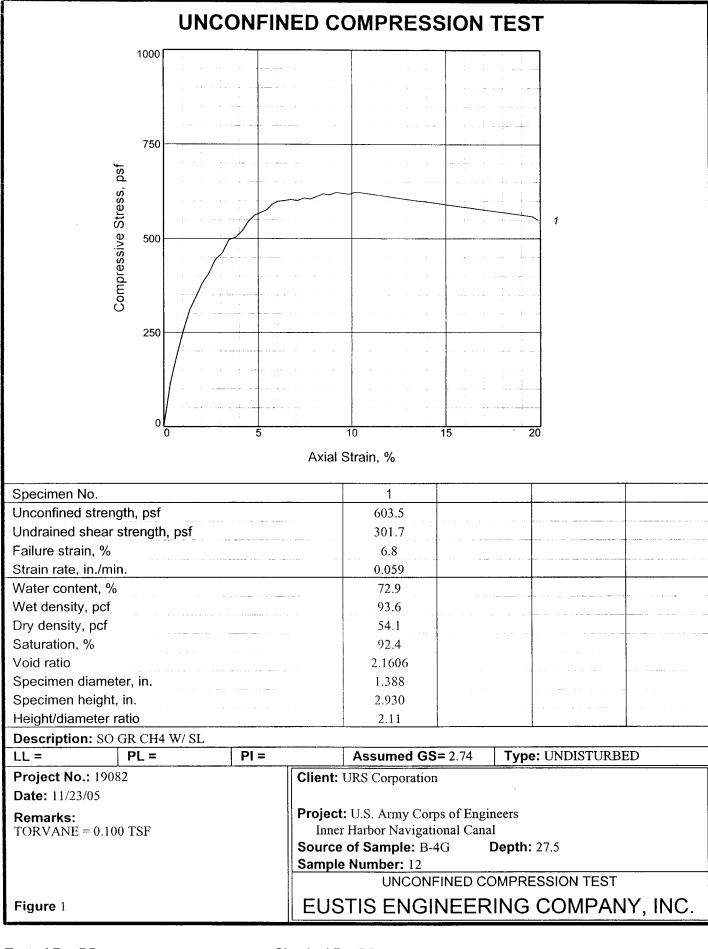
Sample Number: 8

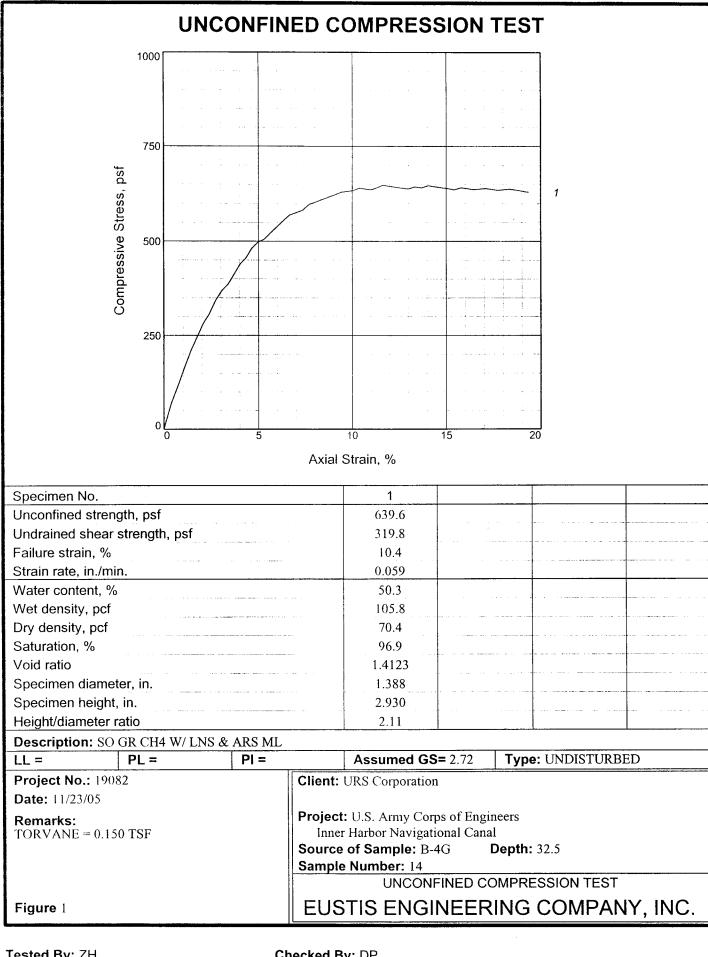
UNCONFINED COMPRESSION TEST

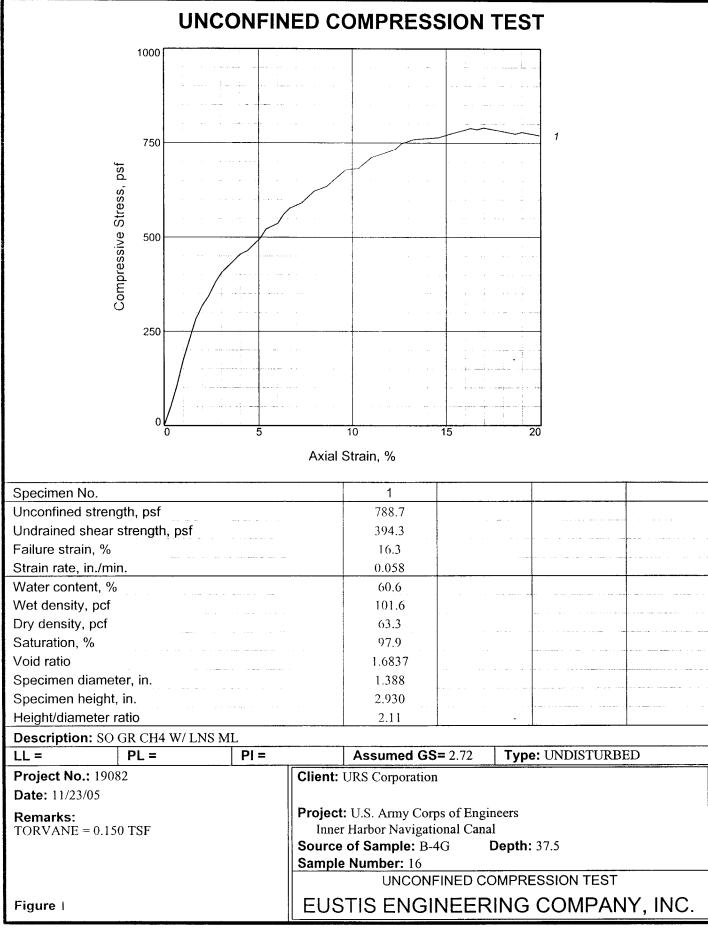
EUSTIS ENGINEERING COMPANY, INC.

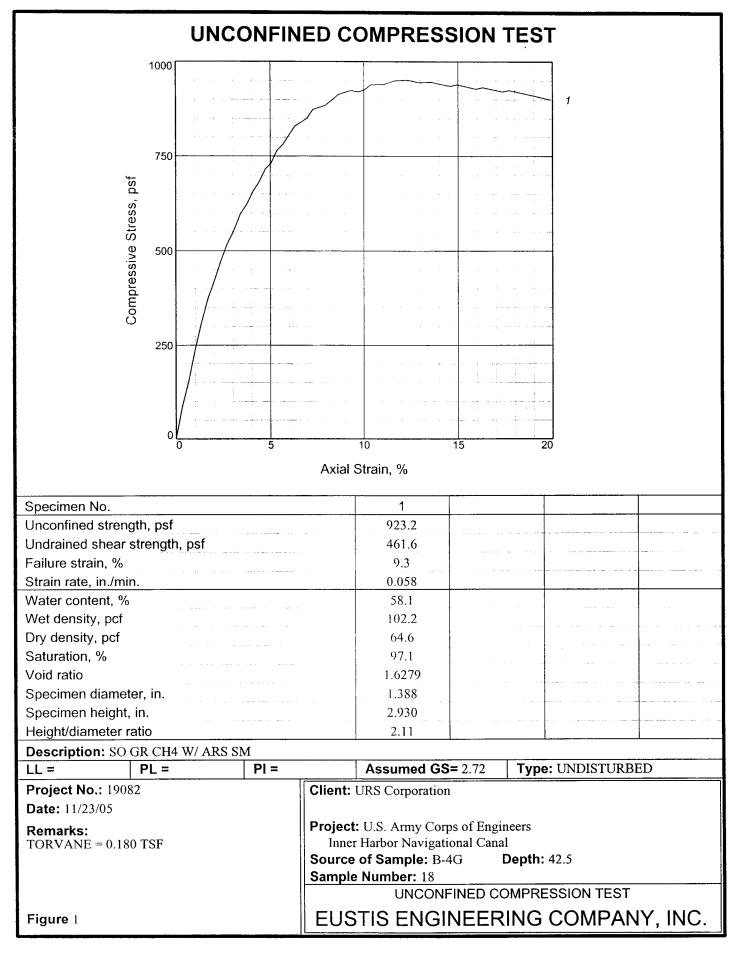
Figure 1

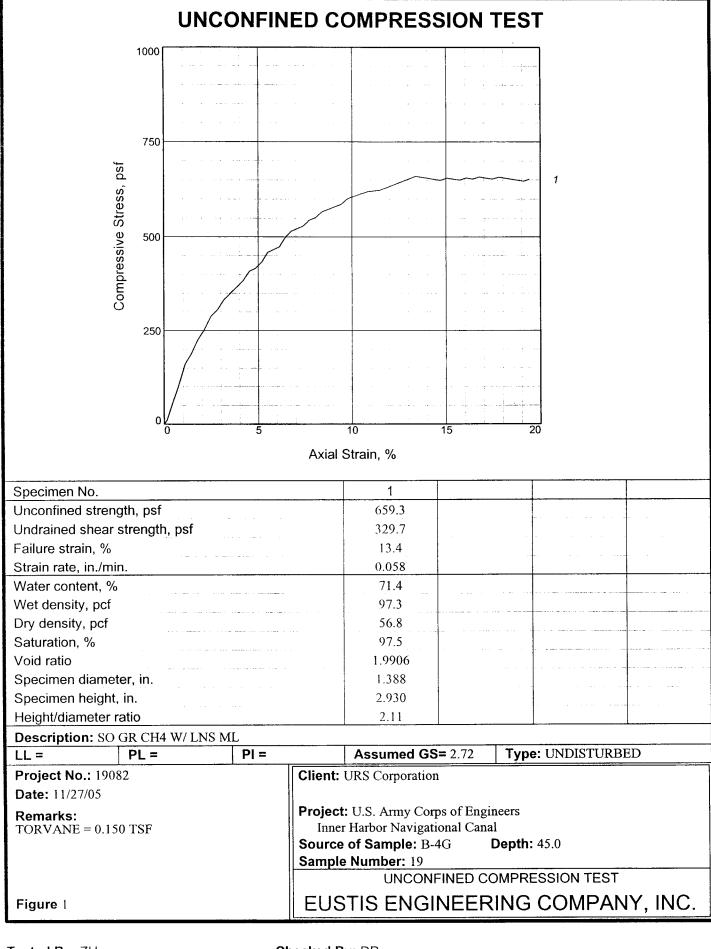


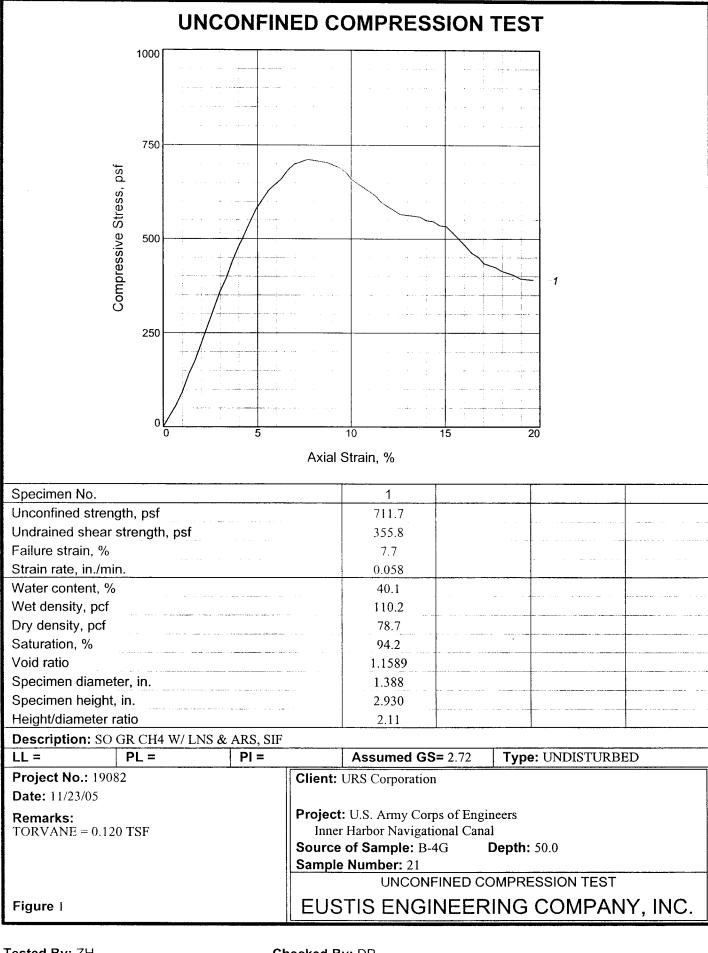


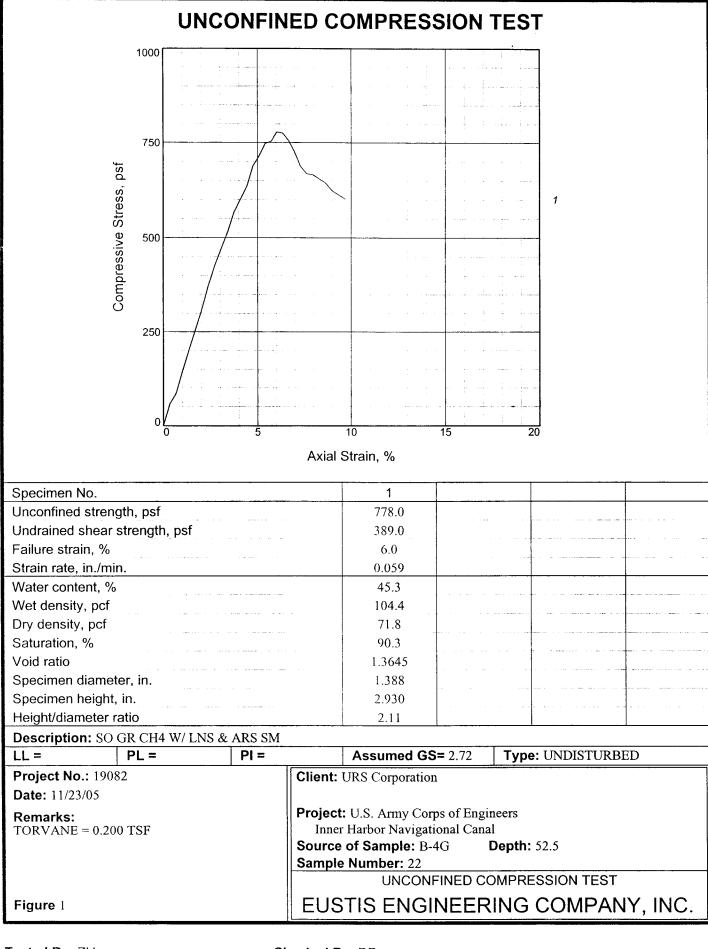




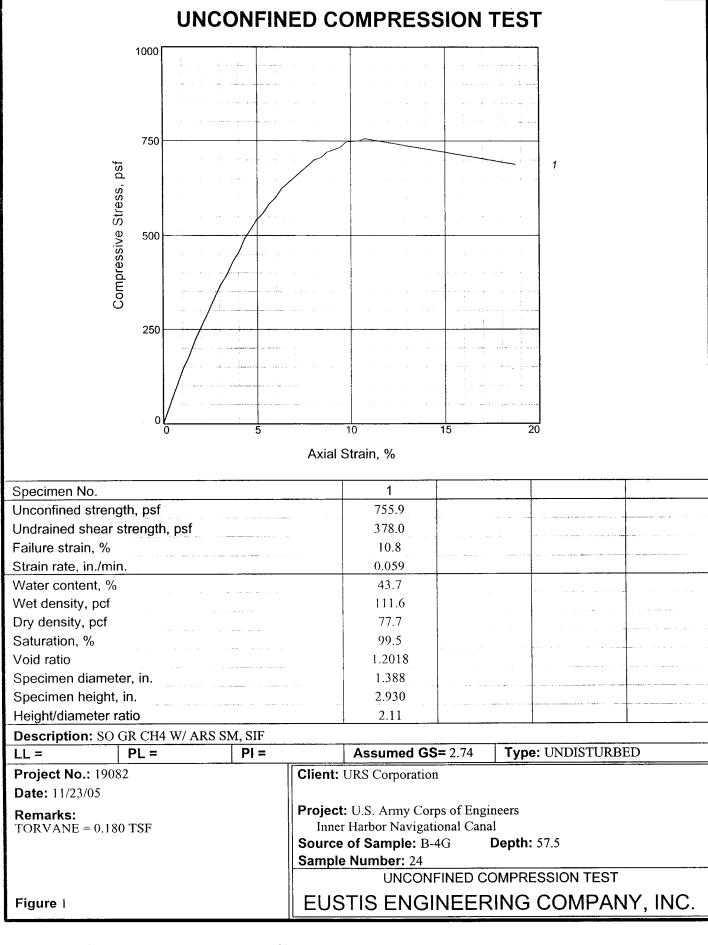


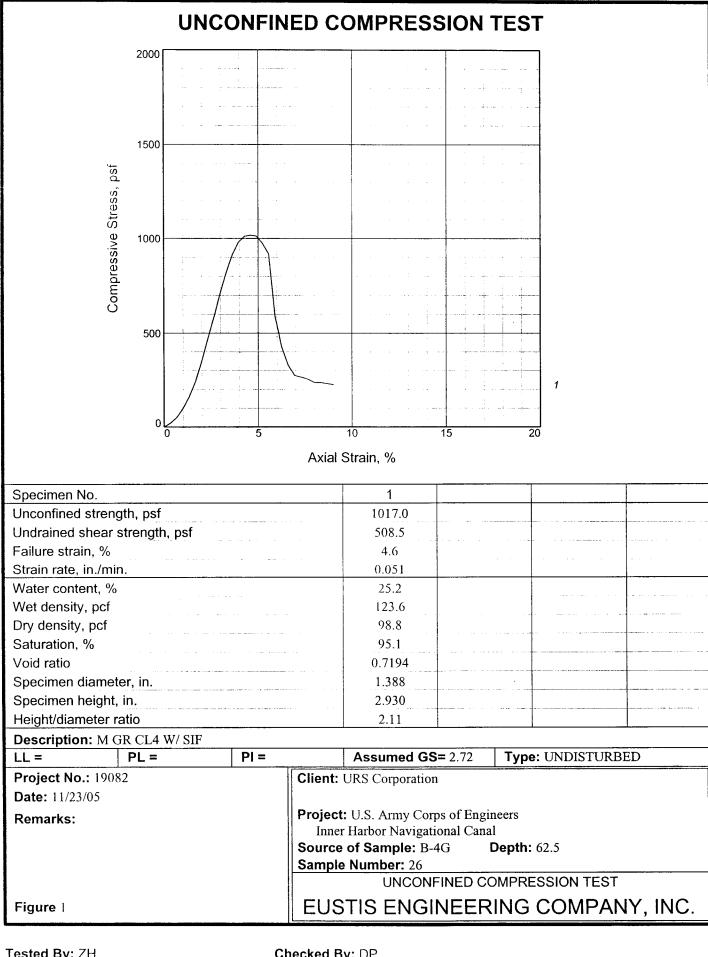




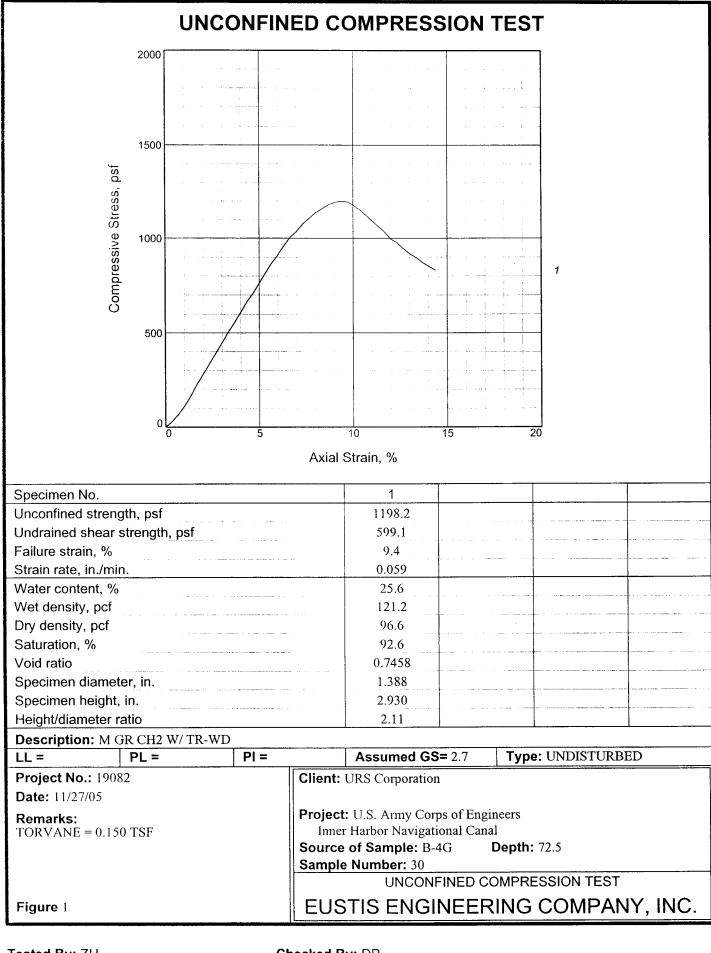


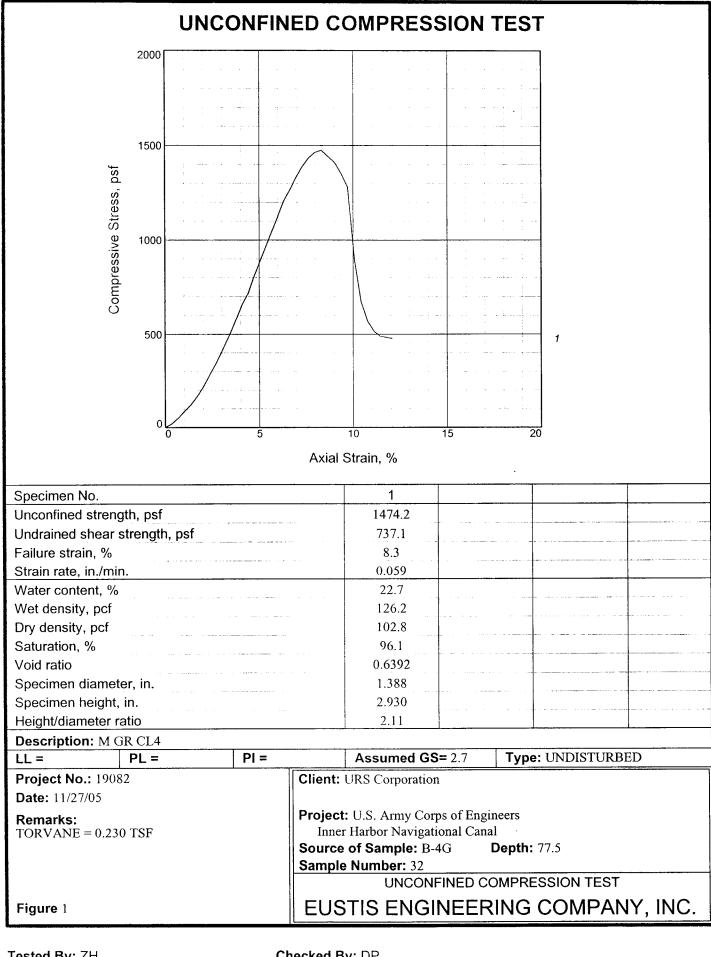
 Tested By: ZH
 Checked By: DP



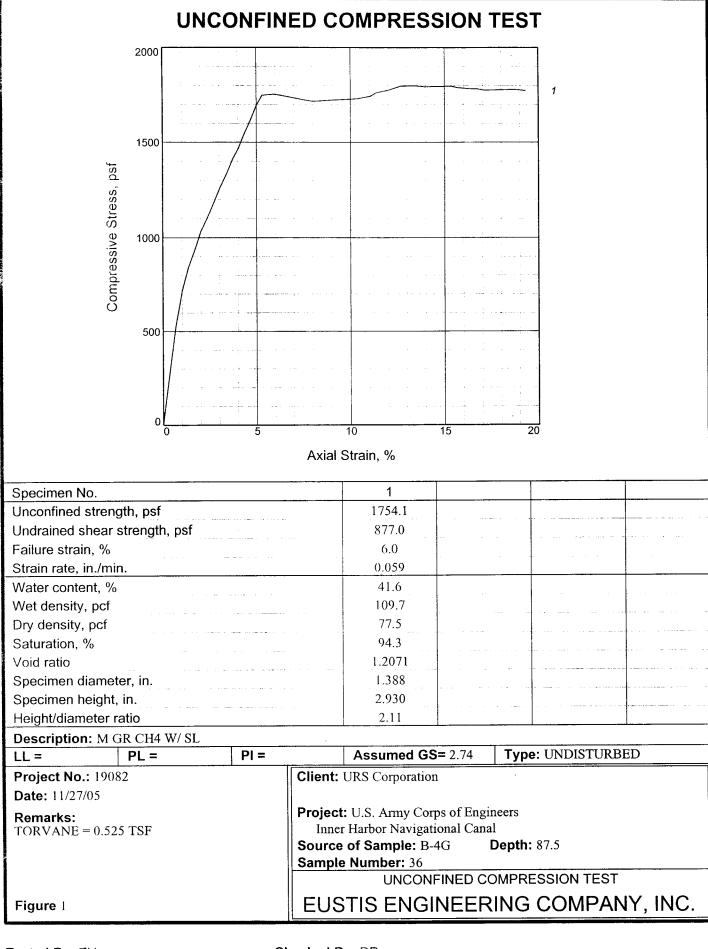


UNCONFINED COMPRESSION TEST 2000 1500 Compressive Stress, psf 1000 500 Axial Strain, % Specimen No. 1 Unconfined strength, psf 1810.2 Undrained shear strength, psf 905.1 Failure strain, % 6.3 Strain rate, in./min. 0.058 Water content, % 37.6 113.8 Wet density, pcf 82.7 Dry density, pcf Saturation, % 97.1 Void ratio 1.0536 Specimen diameter, in. 1.388 Specimen height, in. 2.930 Height/diameter ratio 2.11 Description: M GR CH4 W/ ARS SM Type: UNDISTURBED **Assumed GS=** 2.72 PI = PL = Project No.: 19082 **Client:** URS Corporation Date: 11/23/05 Project: U.S. Army Corps of Engineers Remarks: Inner Harbor Navigational Canal TORVANE = 0.300 TSF**Source of Sample:** B-4G **Depth:** 67.5 Sample Number: 28 UNCONFINED COMPRESSION TEST EUSTIS ENGINEERING COMPANY, INC. Figure 1





UNCONFINED COMPRESSION TEST 6000 4500 Compressive Stress, psf 3000 1500 Axial Strain, % 1 Specimen No. Unconfined strength, psf 5214.6 Undrained shear strength, psf 2607.3 Failure strain, % 4.0 0.059 Strain rate, in./min. Water content, % 31.5 Wet density, pcf 115.6 87.9 Dry density, pcf Saturation, % 92.0 Void ratio 0.9323 Specimen diameter, in. 1.388 Specimen height, in. 2.930 Height/diameter ratio 2.11 Description: VTS GR & T CH4 W. ARS ML, SL PI = **Assumed GS=** 2.72 Type: UNDISTURBED LL = PL = Project No.: 19082 **Client:** URS Corporation **Date:** 11/27/05 Project: U.S. Army Corps of Engineers Remarks: Inner Harbor Navigational Canal TORVANE = 1.000 TSF**Source of Sample:** B-4G **Depth:** 82.5 Sample Number: 34 **UNCONFINED COMPRESSION TEST** EUSTIS ENGINEERING COMPANY, INC. Figure 1



Tested By: ZH

Checked By: DP

UNCONFINED COMPRESSION TEST 4000 3000 Compressive Stress, psf 2000 1000 Axial Strain, % Specimen No. Unconfined strength, psf 2596.2 Undrained shear strength, psf 1298.1 Failure strain. % 7.8 Strain rate, in./min. 0.056 Water content, % 23.5 Wet density, pcf 122.4 Dry density, pcf 99.1 Saturation, % 92.0 Void ratio 0.6824 Specimen diameter, in. 1.388 Specimen height, in. 2.930 Height/diameter ratio 2.11 Description: SO GR CL4 W/TR-WD LL = PL = PI = Type: UNDISTURBED Assumed GS= 2.67 **Project No.:** 19082 **Client:** URS Corporation Date: 11/27/05 Project: U.S. Army Corps of Engineers Remarks: TORVANE = 0.240 TSFInner Harbor Navigational Canal Source of Sample: B-4G **Depth:** 92.5 Sample Number: 38 **UNCONFINED COMPRESSION TEST** EUSTIS ENGINEERING COMPANY, INC. Figure 1